

Table 1. Status of VECTRA Corrective Action Items

Corrective Action Item	Title	VECTRA Designation	Vendors Action Before Limited Fabrication	Vendors Action Before Full Fabrication	
1	Communicate 11/26/96 NRC meeting results to staff. Highlight programmatic concerns and license compliance expectations	Restart			
2	Issue Fabrication Stop Work	Restart	Yes		
3	Independent Common Cause Assessment of NRC Programmatic Concerns	Restart	Yes		
4	Generic Impact Review of Nonconformance Reports and Supplier Disposition Reports	Restart	Yes		
5	Perform Corrective Action Report Generic Impact and Corrective Action Review	Restart	No	Yes	
6	Generic Impact Review of Engineering Change Notices	Restart	Yes		
7	DSC License Compliance Review - From License (CSAR, COC, SER) Through Fabrication Documents and HSM License Compliance Review - From License (CSAR, COC, SER) Through Fabrication Documents	Restart			

Table 1. Status of VECTRA Corrective Action Items (Cont'd)

Corrective Action Item	Title	VECTRA Designation	Vendors Action Before Limited Fabrication	Vendors Action Before Full Fabrication	
8	DSC License Compliance Review - From License (CSAR, COC, SER) Through Fabrication Documents and HSM License Compliance Review - From License (CSAR, COC, SER) Through Fabrication Documents	Restart			

9	Conduct QA audit and technical review of historical review activities	Restart			
10	Improve NCR and Corrective Action Report	Restart	No	Yes	
11	Proceduralize and Implement Required Action List (RAL) for tracking internal and external commitments to closure	Restart			
12	Assignment of a Program Manager to each Key Work Process	Restart			
13	Vendor Oversight	Restart	No	Yes	
14	Rescind Existing Signature Authority Delegation Lists	Restart	Yes		
15	Elimination of Verbal Approvals in the NCR and SDR Procedures	Restart	Yes		

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16	Establish an Audit Schedule to Baseline VECTRA Internal Performance	Restart	Yes		
17	Baseline Reviews of Horizontal Storage Modules, Dry Shielded Canisters, Casks, and UX-30s Fabrication Vendors	Restart	Yes		
18	Establish Corrective Action Review Committee Chaired by QA Manager (QAM) to review & Approve CAR & AFR corrective actions	Restart	Yes		
19	Update/upgrade Inspection Plans, Surveillance Plans, and Checklists	Restart	Yes		
20	Employees Expectations for the Identification of Deviations, Errors, and Program Improvements	Restart	Yes		

21	Communicate critical fabrication requirements to vendors through Fabrication Restart Review meetings.	Restart	Yes		
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22	Update Readiness Review Checklist	Restart & Interim	Yes		
23	Assignment of an Interim Senior Level QA Consultant to the QA/QC Staff	Restart	Yes		
24	Establish Safety Review Committee for SRS/SE - Revise Procedure	Restart	Yes		
25	Effectiveness Review of Senior Management	Restart & Long Term	Yes		
26	Review fabrication specifications & drawings to eliminate over specifications of requirements and define critical fabrication requirements.	Restart & Long Term	No	No	
27	Establish screening process to limit plant specific changes & communicate to customers	Interim	No	No	
28	Issue Management Mission and Goals	Restart	Yes		

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29	Conduct Field Observation training for QA/QC, Project Managers, Project Engineers, Component Engineers & selected vendors.	Restart	Yes		
30	Human Factors Error Reduction Training for VECTRA and Selected Vendors Personnel	Restart	Yes		
31	Conduct Root Cause Training	Restart	Yes		
32	Establishment events analysis monitoring/trending programs - issue procedure	Long Term	Yes		
33	Establishment root cause and common cause assessment program - issue procedure	Long Term	No	Yes	
34	Establishment process & tools to monitor effectiveness of corrective action program - issue procedure	Long Term	No	Yes	
35	Define technical and managerial requirements for QA manager and fill position with qualified candidate	Long Term	No	Yes	
36	Establish Objective Self-Assessment Program	Long Term	Yes		

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37	Identification of QA Program Responsibilities	Long Term	No	Yes	
38	Improve Measurability of Existing Performance Standards for QA Program	Long Term	No	No	

39	Establish Program to Assess QA Personnel Effectiveness	Long Term	No	Yes	
40	Institute Condition 9 Checklist as Quality Check for Consistency & Accuracy of Safety Assessments and Train Personnel to perform in-depth Safety Assessments (Condition 9)	Restart	Yes		
41	Institute Condition 9 Checklist as Quality Check for Consistency & Accuracy of Safety Assessments and Train Personnel to perform in-depth Safety Assessments (Condition 9)	Restart	Yes		
42	Fill Targeted VECTRA Staff Vacancies	Long Term	No	Yes	

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43	Non-In service HSM Components Reinspection	Restart	No	Yes	
44	Perform SRS/SE Review for COC Compliance (6/95 - Present)	Restart	Yes		
N/A	DSC Design Issues	N/A	Yes		

Table 2

Inspection Representatives

NRC Management

William Kane, Acting Director, Office of Nuclear Material Safety and Safeguards (NMSS)

Charles Haughney, Acting Director, Spent Fuel Project Office (SFPO), NMSS

Susan Shankman, Acting Deputy Director, SFPO, NMSS

NRC Inspection Team

Francis Young, Team Leader, SFPO, NMSS

Timothy Kobetz, Project Manager, Spent Fuel Licensing Section, SFPO, NMSS

Thomas Matula, Safety Inspector, Transportation and Storage Inspection Section, SFPO, NMSS

Ronald Parkhill, Senior Mechanical Engineer, Spent Fuel Technical Review Section, SFPO, NMSS

Isabelle Schoenfeld, Human Factors Analyst, Office of Research

Transnuclear-West

Allen Hanson, President

David Dawson, Vice President

Walter Bak, Vice President, Engineering

Richard Ayres, Manager of Programs and Audits

Rick Reiss, Quality Assurance Manager

Jack Rollins, Regulatory Assurance Manager

Resolution of Outstanding Inspection Findings and Technical Issues

